

AMENDMENTS TO THE CLAIMS

1. **(Original)** A multi-part intraocular lens (IOL) comprising:
an optic;
a haptic comprising:
at least one "V"-shaped element having a pair of legs and a square or rounded corner; and
at least two contact points for the eye each located on one of said legs or one of said corners; and
an attachment for the optic onto the haptic.
2. **(Original)** The multi-part intraocular lens of Claim 1, comprising two "V"-shaped elements.
3. **(Original)** The multi-part intraocular lens of Claim 1, wherein said "V"-shaped element is straight.
4. **(Original)** The multi-part intraocular lens of Claim 1, wherein said "V"-shaped element is rounded.
5. **(Original)** The multi-part intraocular lens of Claim 1, wherein said attachment comprises a cleat and an eyelet wherein said eyelet comprises an eyelet aperture.
6. **(Original)** The multi-part intraocular lens of Claim 5, wherein said cleat is a part of said haptic.
7. **(Original)** The multi-part intraocular lens of Claim 5, wherein said eyelet is a part of said lens.
8. **(Original)** The multi-part intraocular lens of Claim 5, wherein said cleat is chamfered.
9. **(Original)** The multi-part intraocular lens of Claim 5, wherein said eyelet is offset or angled to hook under said cleat.
10. **(Original)** The multi-part intraocular lens of Claim 5, wherein said eyelet is a filament.
11. **(Original)** The multi-part intraocular lens of Claim 5, wherein said eyelet is fabricated separately and attached to the lens.
12. **(Original)** The multi-part intraocular lens of Claim 5, wherein said eyelet is tinted.

Appl. No. : 10/056,971
Filed : January 25, 2002

13. **(Original)** The multi-part intraocular lens of Claim 5, wherein said cleat is fabricated separately and attached to the haptic.

14. **(Original)** The multi-part intraocular lens of Claim 5, wherein said cleat is tinted.

15. **(Original)** The multi-part intraocular lens of Claim 5, wherein said eyelet aperture has a diameter larger than the diameter of the cleat to allow for normal eye movements.

16. **(Original)** The multi-part intraocular lens of claim 6, wherein said haptic comprises at least two cleats.

17. **(Original)** The multipart intraocular lens of Claim 8, wherein said lens comprises at least two eyelets.

18. **(Original)** The multipart intraocular lens of Claim 17, wherein said lens comprises multiple eyelets to allow for rotation of the lens.

19. **(Original)** The multi-part intraocular lens of Claim 1, wherein there are two or more attachments.

20. **(Original)** The multi-part intraocular lens of Claim 1, wherein the two or more attachments are asymmetrical.

21. **(Original)** The multi-part intraocular lens of Claim 1, wherein at least one of said legs of at least one of said "V"-shaped elements is sufficiently flexible to move the other one of said legs of said at least one of said "V"-shaped elements..

22. **(Original)** The intraocular lens of Claim 1, wherein said haptic is composed of a material selected from the group consisting of: polyimide, polyetheretherketone, polycarbonate, polymethylpentene, polyphenylsulfone, polymethylmethacrylate (PMMA), polypropylene, polyvinylidene fluoride, polysulfone, and polyethersulfone.

23. **(Original)** The intraocular lens of Claim 22, wherein said polyimide is KAPTON.

24. **(Original)** The intraocular lens of Claim 22, wherein said haptic is composed of polymethylmethacrylate (PMMA).

25. **(Original)** The intraocular lens of Claim 22, wherein said haptic has a modulus of elasticity of about 450,000 psi/inch.

26. **(Original)** The intraocular lens of Claim 1, wherein said haptic has a modulus of elasticity of 100,000 to 500,000 psi.

27. **(Original)** The intraocular lens of Claim 1, wherein said haptic is less than about 0.01 inches thick.
28. **(Original)** The intraocular lens of Claim 1, wherein said haptic is machine-formed.
29. **(Original)** The intraocular lens of Claim 1, wherein said haptic is laser cut.
30. **(Original)** The intraocular lens of Claim 1, wherein said haptic is molded.
31. **(Original)** The intraocular lens of Claim 1, wherein said haptic has a hardness of about 90 to 95 shore M.
32. **(Original)** The intraocular lens of Claim 1, wherein said haptic is sized for a particular eye, and wherein one of said legs of said haptic is larger than the space within said particular eye.
33. **(Original)** The intraocular lens of Claim 32, wherein the diameter of said haptic is up to about 1 mm greater than that of said particular eye.
34. **(Original)** The intraocular lens of Claim 32, wherein the diameter of said haptic is between about 0.3 and 0.6 mm greater than that of said particular eye.
35. **(Original)** The intraocular lens of Claim 32, wherein the diameter of said haptic is between about 0.4 and 0.5 mm greater than that of said particular eye.
36. **(Original)** The intraocular lens of Claim 1, wherein said optic is selected from the group consisting of a refractive lens, a monofocal lens, a toric lens, an aspheric lens, a bifocal lens, an interference lens, a positive lens, a negative lens, a standard power monofocal lens, a multi-focal spheric lens, a multiple optic lens, an interference lens, a thin lens, a radially non-symmetrical lens, a laterally non-symmetrical lens and a defocusing lens.
37. **(Original)** The intraocular lens of Claim 1, wherein said optic may be inserted into the anterior or posterior chamber of the eye.
38. **(Original)** The intraocular lens of Claim 1, wherein the entire length of the haptic is available for flexure.
39. **(Original)** A multi-part intraocular lens, comprising:
a haptic with at least two "V" shaped elements;
a separate optic; and
an attachment for said optic which permits said optic to be attached to said haptic within the eye.

Appl. No. : 10/056,971
Filed : January 25, 2002

40. **(Original)** The multi-part intraocular lens of Claim 39, wherein at least one of said "V"-shaped elements is rounded.

41. **(Original)** The multi-part intraocular lens of Claim 39, wherein at least one of said "V"-shaped elements is straight.

42. **(Original)** The multi-part intraocular lens of Claim 39, wherein said attachment comprises a cleat and an eyelet wherein said eyelet comprises an eyelet aperture.

43. **(Original)** The multi-part intraocular lens of Claim 42, wherein said cleat is a part of said haptic.

44. **(Original)** The multi-part intraocular lens of Claim 42, wherein said eyelet is a part of said lens.

45. **(Original)** The multi-part intraocular lens of Claim 42, wherein said cleat is chamfered.

46. **(Original)** The multi-part intraocular lens of Claim 42, wherein said eyelet is offset or angled to hook under said cleat.

47. **(Original)** The multi-part intraocular lens of Claim 42, wherein said eyelet is a filament.

48. **(Original)** The multi-part intraocular lens of Claim 42, wherein said eyelet is fabricated separately and attached to the lens.

49. **(Original)** The multi-part intraocular lens of Claim 42, wherein said eyelet is tinted.

50. **(Original)** The multi-part intraocular lens of Claim 42, wherein said cleat is fabricated separately and attached to the haptic.

51. **(Original)** The multi-part intraocular lens of Claim 42, wherein said cleat is tinted.

52. **(Original)** The multi-part intraocular lens of Claim 42, wherein said eyelet aperture has a diameter larger than the diameter of the cleat to allow for normal eye movements.

53. **(Original)** The multi-part intraocular lens of claim 43, wherein said haptic comprises at least two cleats.

54. **(Original)** The multipart intraocular lens of Claim 45, wherein said lens comprises at least two eyelets.

Appl. No. : 10/056,971
Filed : January 25, 2002

55. **(Original)** The multipart intraocular lens of Claim 54, wherein said lens comprises multiple eyelets to allow for rotation of the lens.

56. **(Original)** The multi-part intraocular lens of Claim 42, wherein there are two or more attachments.

57. **(Original)** The multi-part intraocular lens of Claim 42, wherein the two or more attachments are asymmetrical.

58. **(Original)** The multi-part intraocular lens of Claim 42, wherein at least one of said legs of at least one of said "V"-shaped elements is sufficiently flexible to move the other one of said legs of said at least one of said "V"-shaped elements..

59. **(Original)** The intraocular lens of Claim 42, wherein said haptic is composed of a material selected from the group consisting of: polyimide, polyetheretherketone, polycarbonate, polymethylpentene, polyphenylsulfone, polymethylmethacrylate (PMMA), polypropylene, polyvinylidene fluoride, polysulfone, and polyethersulfone.

60. **(Original)** The intraocular lens of Claim 59, wherein said polyimide is KAPTON.

61. **(Original)** The intraocular lens of Claim 59, wherein said haptic is composed of polymethylmethacrylate (PMMA).

E, 62. **(Original)** The intraocular lens of Claim 59, wherein said haptic has a modulus of elasticity of about 450,000 psi/inch.

Cont 63. **(Original)** The intraocular lens of Claim 42, wherein said haptic has a modulus of elasticity of 100,000 to 500,000 psi.

64. **(Original)** The intraocular lens of Claim 42, wherein said haptic is less than about 0.01 inches thick.

65. **(Original)** The intraocular lens of Claim 42, wherein said haptic is machine-formed.

66. **(Original)** The intraocular lens of Claim 42, wherein said haptic is laser cut.

67. **(Original)** The intraocular lens of Claim 42, wherein said haptic is molded.

68. **(Original)** The intraocular lens of Claim 42, wherein said haptic has a hardness of about 90 to 95 shore M.

69. **(Original)** The intraocular lens of Claim 42, wherein said haptic is sized for a particular eye, and wherein one of said legs of said haptic is larger than the space within said particular eye.

70. **(Original)** The intraocular lens of Claim 69, wherein the diameter of said haptic is up to about 1 mm greater than that of said particular eye.

71. **(Original)** The intraocular lens of Claim 69, wherein the diameter of said haptic is between about 0.3 and 0.6 mm greater than that of said particular eye.

72. **(Original)** The intraocular lens of Claim 69, wherein the diameter of said haptic is between about 0.4 and 0.5 mm greater than that of said particular eye.

73. **(Original)** The intraocular lens of Claim 42, wherein said optic is selected from the group consisting of a refractive lens, a monofocal lens, a toric lens, an aspheric lens, a bifocal lens, an interference lens, a positive lens, a negative lens, a standard power monofocal lens, a multi-focal spheric lens, a multiple optic lens, an interference lens, a thin lens, a radially non-symmetrical lens, a laterally non-symmetrical lens and a defocusing lens.

74. **(Original)** The intraocular lens of Claim 42, wherein said optic may be inserted into the anterior or posterior chamber of the eye.

75. **(Withdrawn)** A method for introducing an intraocular lens into a very small incision in an eye, comprising:

inserting the haptic of Claim 1 into the eye;

inserting the optic of Claim 1 into the eye separate from said haptic; and

attaching said optic onto said haptic within the eye using the attachment of Claim

76. **(Withdrawn)** The method of Claim 75 wherein said insertion of said haptic into the eye is by flexing or bending said legs of said "V"-shaped elements toward each other.

77. **(Withdrawn)** The method of Claim 75, wherein said haptic is inserted first.

78. **(Withdrawn)** The method of Claim 75, wherein said optic is inserted first.

79. **(Withdrawn)** The method of Claim 75, further comprising removing said optic and replacing it with a different optic.

80. **(Withdrawn)** The method of Claim 75, further comprising removing said optic and repositioning it within the eye.

81. **(Withdrawn)** The method of Claim 80, wherein said repositioning comprises rotational repositioning for correction of astigmatism.

82. **(Withdrawn)** The method of Claim 81, wherein said repositioning comprises turning the optic over.

83. **(Withdrawn)** The method of Claim 75, further comprising adding a second optic.

84. **(Withdrawn)** The method of Claim 75, further comprising removing said haptic and replacing it with a different haptic.

85. **(Withdrawn)** The method of Claim 75, further comprising removing said haptic and repositioning it within the eye.

86. **(Withdrawn)** The method of Claim 75, wherein said optic is formed of a relatively lower modulus material than said haptic.

87. **(Withdrawn)** The method of Claim 75, wherein said optic is attached to said haptic with a stretchable attachment.

88. **(Withdrawn)** The method of Claim 75, further comprising partially assembling said optic onto said haptic during insertion.

89. **(Withdrawn)** The method of Claim 75, further comprising assembling said optic onto said haptic prior to insertion.

90. **(Withdrawn)** A method for introducing an intraocular lens into a very small incision in an eye, comprising:

inserting the haptic of Claim 39 into the eye;

inserting the optic of Claim 39 into the eye separate from said haptic; and

attaching said optic onto said haptic within the eye using the attachment of Claim

39.

91. **(Withdrawn)** The method of Claim 90 wherein said insertion of said haptic into the eye is by flexing or bending said legs of said "V"-shaped elements toward each other.

92. **(Withdrawn)** The method of Claim 90, wherein said haptic is inserted first.

93. **(Withdrawn)** The method of Claim 90, wherein said optic is inserted first.

94. **(Withdrawn)** The method of Claim 90, further comprising removing said optic and replacing it with a different optic.

95. **(Withdrawn)** The method of Claim 90, further comprising removing said optic and repositioning it within the eye.

96. **(Withdrawn)** The method of Claim 95, wherein said repositioning comprises rotational repositioning for correction of astigmatism.

Appl. No. : 10/056,971
Filed : January 25, 2002

97. **(Withdrawn)** The method of Claim 95, wherein said repositioning comprises turning the optic over.

98. **(Withdrawn)** The method of Claim 90, further comprising adding a second optic.

99. **(Withdrawn)** The method of Claim 90, further comprising removing said haptic and replacing it with a different haptic.

100. **(Withdrawn)** The method of Claim 90, further comprising removing said haptic and repositioning it within the eye.

101. **(Withdrawn)** The method of Claim 90, wherein said optic is formed of a relatively lower modulus material than said haptic.

102. **(Withdrawn)** The method of Claim 90, wherein said optic is attached to said haptic with a stretchable attachment.

103. **(Withdrawn)** The method of Claim 90, further comprising partially assembling said optic onto said haptic during insertion.

104. **(Withdrawn)** The method of Claim 90, further comprising assembling said optic onto said haptic prior to insertion.

E1
Cancel
Claims 105-219 (Cancelled)

220. **(Original)** The multipart intraocular lens of Claim 1, wherein said optic is composed of a low modulus material.

221. **(Original)** The multipart intraocular lens of Claim 1, wherein said haptic is composed of a high modulus material.